

INFORMATION DISCLOSURE STATEMENT BY APPLICANTS	Application Number	To be Assigned 10/8/06, 102
	Filing Date	March 31, 2004
	First Named Inventor	Edward K. Y. Jung
	Group Art Unit	To be Assigned 2/42
	Examiner Name	To be Assigned Survi 110
Page 1 of 2	Attorney Docket Number	0104-003-004-000000

U.S. PATENT DOCUMENTS				
Examiner Initials	Cite No.	U.S. Patent Number	Name of Patentee	Date of Publication (MM-DD-YYYY)
OS	AA	2004/0005889 A1	Nishimura, et al.	01-08-2004
OS	AB	2003/0236866 A1	John J. Light	12-25-2003
OS	AC	2003/0172221 A1	Donald H. McNeil	09-11-2003
OS	AD	2002/0040639 A1	Duddleson, et al.	04-11-2002

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number	Country	Date of Publication (MM-DD-YYY)	English Translation Provided?
	AE				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
OS	AF	BUONADONNA, PHILLIP; HILL, JASON; CULLER, DAVID; "Active Message Communication for Tiny Networked Sensors," pp. 1-11, printed on 03/08/2004.
	AG	GAY, DAVID; LEVIS, PHIL; VON BEHREN; WELSH, MATT; BREWER, ERIC; and CULLER, DAVID, "The nesCLanguage: A Holistic Approach to Network Embedded Systems," pp. 1-10; Intel Research Berkeley, The Intel Corporation, November 2002.
	AH	HILL, JASON; SZEWCZYK, ROBERT; WOO, ALEC; HOLLAR, SETH; CULLER, DAVID; PISTER, KRISTOFER, "System Architecture Directions for Networked Sensors," ASPLOS 2000, Cambridge, November 2000.
	AI	INTEL.COM, "Exploratory Research Deep Networking" pp. 1-10 located at <a href="http://www.intel.com/research/exploratory/heterogeneous.htm">http://www.intel.com/research/exploratory/heterogeneous.htm</a> , printed on 03/25/04.
	AJ	LEVIS, PHILIP, "Viral Code Propagation in Wireless Sensor Networks," EECS Department, University of California at Berkeley, printed on 03/08/2004.
	AK	LISCANO, RAMIRO, "Service Discovery in Sensor Networks: An Overview" Powerpoint Presentation; pp.1-51; School of Information Technology and Engineering, University of Ottawa, Ottawa, CANADA, bearing a date of 2003, printed on 03/08/2004.
	AL	MADDEN, SAMUEL, "Acquisitional Query Processing in TinyDB" Powerpoint Presentation, pp. 1-51; NEST Winter Retreat 2003, printed on 03/08/2004.
OS	AM	MADDEN, SAMUEL, "Challenges in Sensor Network Query Processing" Powerpoint Presentation at the January 15, 2002 NEST Retreat, printed on 03/08/2004.

Examiner Signature	<i>Survi</i>	Date Considered	8/13/07
--------------------	--------------	-----------------	---------

OMB 0651-0031

V:\Patent Legal\A-PATENTS FILED\Data Architecture Apps\0104-003-004-Transmission of Aggregated Mote-Assoc Index

Data\PTO-1449 new app.doc

INFORMATION DISCLOSURE STATEMENT BY APPLICANTS	Application Number	To be Assigned 10/8/06, 102
	Filing Date	March 31, 2004
	First Named Inventor	Edward K. Y. Jung
	Group Art Unit	To be Assigned 2142
	Examiner Name	To be Assigned Surville
Page 2 of 2	Attorney Docket Number	0104-003-004-000000

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
OS	AN	MADDEN, SAMUEL; SZEWCZYK, R.; FRANKLIN, MICHAEL; and CULLER, DAVID "Supporting Aggregate Queries Over Ad-Hoc Wireless Sensor Networks," pp. 1-10, printed on 03/08/04.
	AO	MADDEN, SAMUEL; SZEWCZYK, R.; FRANKLIN, MICHAEL; CULLER, DAVID "Supporting Aggregate Queries Over Ad-Hoc Wireless Sensor Networks" Powerpoint Presentation, pp. 1-47, 4 <sup>th</sup> IEEE Workshop on Mobile Computing, dated June 21, 2002.
	AP	MADDEN, SAMUEL; FRANKLIN, MICHAEL J.; HELLERSTEIN, JOSEPH; M., and HONG, WEI, "The Design of an Acquisitional Query Processor for Sensor Networks," pp. 1-14, SIGMOD, June 2003.
	AQ	RYER, ALEX; <u>Light Measurement Handbook</u> , <a href="http://www.intl-light.com/handbook">http://www.intl-light.com/handbook</a> ; pp. 1-64, copyright 1997, printed on 03/08/2004
	AR	SEARCHMOBILECOMPUTING.COM, "Ad-Hoc Network" pp. 1-3 located at <a href="http://searchmobilecomputing.techtarget.com/sDefinition/0,,sid40_gci213462,00.html">http://searchmobilecomputing.techtarget.com/sDefinition/0,,sid40_gci213462,00.html</a> , bearing a date of April 11, 2003, printed on 03/08/2004.
	AS	SEARCHNETWORKING.COM DEFINITIONS, "Jini" pp. 1-3 located at <a href="http://searchnetworking.techtarget.com/sDefinition/0,,sid7_gci212422,00.html">http://searchnetworking.techtarget.com/sDefinition/0,,sid7_gci212422,00.html</a> , bearing a date of April 10, 2003, printed on 03/08/2004.
	AT	SPYROPOULOS, AKIS; RAGHAVENDRA, C.S., "Energy Efficient Communications in Ad Hoc Networks Using Directional Antennas," Dept. of Electrical Engineering-Systems, University of Southern California, bearing a date of 2002, printed on 02/23/2004.
	AU	VISWANATH, KUMAR, "Adaptive, Integrated Multicast Routing for Group Communications in Ad-Hoc Networks" Powerpoint Presentation, pp. 1-12; Computer Engineering Department, University of California, Santa Cruz, printed on 03/08/2004.
OS	AV	WOO, ALEC; TONG, TERENCE; and CULLER, DAVID, "Taming the Underlying Challenges of Reliable Multihop Routing in Sensor Networks," pp. 1-14, SenSys '03, November 5-7, 2003, Los Angeles, California, USA.
	AW	
	AX	
	AY	
	AZ	
	BA	
	BB	
	BC	
	BD	

Examiner Signature	<i>Surville</i>	Date Considered	8/13/07
--------------------	-----------------	-----------------	---------

OMB 0651-0031

V:\Patent Legal\A-PATENTS FILED&gt;Data Architecture Apps\0104-003-004-Transmission of Aggregated Mote-Assoc Index Data\PTO-1449 new app.doc



SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS	Application Number	10/816,102
	Filing Date	March 31, 2004
	First Named Inventor	Edward K. Y. Jung
	Group Art Unit	To be Assigned 2/42
	Examiner Name	To be Assigned <i>Survillo</i>
Page 1 of 4	Attorney Docket Number	0104-003-004-000000

U.S. PATENT DOCUMENTS				
Examiner Initials	Cite No.	U.S. Patent Number	Name of Patentee	Date of Publication (MM-DD-YYYY)
	AA			

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number	Country	Date of Publication (MM-DD-YYY)	English Translation Provided?
	AB				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
OS	AC	BERKELY WEBS: WIRELESS EMBEDDED SYSTEMS, "Building Sensor Networks with TinyOS" May 5, 2003 Mobisys Tutorial, San Francisco Powerpoint Presentation, Culler, David; Levis, Phil; Szewczyk, Rob; Polastre, Joe; pp. 1-41 located at <a href="http://webs.cs.berkeley.edu">http://webs.cs.berkeley.edu</a> , printed on 04/15/04.
	AD	BERKELEY WEBS: WIRELESS EMBEDDED SYSTEMS, "Publications", pp. 1-3, located at <a href="http://webs.cs.berkeley.edu/publications.html">http://webs.cs.berkeley.edu/publications.html</a> , printed on 04/12/04
	AE	BERKELEY WEBS: WIRELESS EMBEDDED SYSTEMS, "Tiny OS a component-based OS for the networked sensor regime", "Latest News", pp. 1-2 located at <a href="http://webs.cs.berkeley.edu/tos/">http://webs.cs.berkeley.edu/tos/</a> , printed on 01/27/04.
	AF	BERKELEY WEBS: WIRELESS EMBEDDED SYSTEMS, "Tiny OS a component-based OS for the networked sensor regime", "Publications/Presentations", pp. 1-3 located at <a href="http://www.tinyos.net/media.html">http://www.tinyos.net/media.html</a> , printed on 04/13/04.
	AG	BERKELEY WEBS: WIRELESS EMBEDDED SYSTEMS, "Tiny OS a component-based OS for the networked sensor regime", "Related UC Berkeley Work", pp. 1-9 located at <a href="http://webs.cs.berkeley.edu/tos/related.html">http://webs.cs.berkeley.edu/tos/related.html</a> , printed on 01/27/04.
	AH	BERKELEY WEBS: WIRELESS EMBEDDED SYSTEMS, "Tiny OS Tutorial Index", pp. 1-2 located at <a href="http://webs.cs.berkeley.edu/tos/tinyos-1.x/doc/tutorial/index.html">http://webs.cs.berkeley.edu/tos/tinyos-1.x/doc/tutorial/index.html</a> , printed on 04/15/04.
	AI	BERKELEY WEBS: WIRELESS EMBEDDED SYSTEMS, "Tiny OS Tutorial Lesson 8: Data Logging Application", pp. 1-4 located at <a href="http://webs.cs.berkeley.edu/tos/tinyos-1.x/doc/tutorial/lesson8.html">http://webs.cs.berkeley.edu/tos/tinyos-1.x/doc/tutorial/lesson8.html</a> , printed on 04/15/04.
OS	AJ	CENTER FOR THE BUILT ENVIRONMENT, "XYZ On A Chip: Integrated Wireless Sensor Networks for the Control of the Indoor Environment in Buildings" pp. 1-2, located at <a href="http://www.cbe.berkeley.edu/research/briefs-wirelessxyz.htm">http://www.cbe.berkeley.edu/research/briefs-wirelessxyz.htm</a> , bearing a date of 2002, printed on 01/27/04.

Examiner Signature	<i>Survillo</i>	Date Considered	8/13/07
--------------------	-----------------	-----------------	---------

OMB 0651-0031

V:\Patent Legal\A-PATENTS FILED\Data Architecture Apps\0104-003-004-Transmission of Aggregated Mote-Assoc Index Data\PTO-1449 SIDS.doc

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS	Application Number	10/816,102
	Filing Date	March 31, 2004
	First Named Inventor	Edward K. Y. Jung
	Group Art Unit	To be Assigned 2/42
	Examiner Name	To be Assigned - Surv 11/0
Page 2 of 4	Attorney Docket Number	0104-003-004-000000

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
OS	AK	CITRIS, "Brainy Buildings Conserve Energy" p. 1-3 located at <a href="http://www.citris.berkeley.edu/applications/energy/smartbuildings.html">http://www.citris.berkeley.edu/applications/energy/smartbuildings.html</a> , printed on 01/27/04.
	AL	CITRIS, "The Real World as One Giant Database" pp. 1-3 located at <a href="http://www.citris.berkeley.edu/newsletter/2003_Newsletters/december_2003/feature.htm">http://www.citris.berkeley.edu/newsletter/2003_Newsletters/december_2003/feature.htm</a> , bearing a date of 2003, printed on 04/09/04.
	AM	"Data Repository", University of California Berkeley, located at <a href="http://localization.millennium.berkeley.edu/data_repository.html">http://localization.millennium.berkeley.edu/data_repository.html</a> , pp. 1 of 1, bearing a date of 2001, printed on 04/07/04.
	AN	GELSINGER, PAT; Intel.com, "Expanding Moore's Law with Convergence" pp. 1-4 located at <a href="http://www.intel.com/labs/features/em101031.htm">http://www.intel.com/labs/features/em101031.htm</a> , printed on 04/09/04.
	AO	INTEL.COM, "New Computing Frontiers-The Wireless Vineyard" pp. 1-4 located at <a href="http://www.intel.com/labs/features/rs01031.htm">http://www.intel.com/labs/features/rs01031.htm</a> , printed on 04/07/04.
	AP	ISIS NEST: Institute For Software Integrated Systems; "NEST Home: Network Embedded Systems Technology", pp. 1-2, located at <a href="http://www.isis.vanderbilt.edu/projects.nest/index.html">http://www.isis.vanderbilt.edu/projects.nest/index.html</a> , printed on 04/14/04.
	AQ	ISIS NEST: Institute For Software Integrated Systems; "Applications: Shooter Localizations", pp. 1-5, located at <a href="http://www.isis.vanderbilt.edu/projects.nest/applications.html">http://www.isis.vanderbilt.edu/projects.nest/applications.html</a> , printed on 04/14/04.
	AR	ISIS NEST: Institute For Software Integrated Systems; "Middleware: Next Middleware Services", pp. 1 of 1, located at <a href="http://www.isis.vanderbilt.edu/projects.nest/middleware.html">http://www.isis.vanderbilt.edu/projects.nest/middleware.html</a> , printed on 04/14/04.
	AS	ISIS NEST: Institute For Software Integrated Systems; "Tools: NEST Tools", pp. 1 of 1, located at <a href="http://www.isis.vanderbilt.edu/projects.nest/tools.html">http://www.isis.vanderbilt.edu/projects.nest/tools.html</a> , printed on 04/14/04.
	AT	ISIS NEST: Institute For Software Integrated Systems; "Documents: NEST Documents", pp. 1-2, located at <a href="http://www.isis.vanderbilt.edu/projects.nest/documents.html">http://www.isis.vanderbilt.edu/projects.nest/documents.html</a> , printed on 04/14/04.
	AU	ISIS NEST: Institute For Software Integrated Systems; "Download: NEST Download", pp. 1-2, located at <a href="http://www.isis.vanderbilt.edu/projects.nest/download.html">http://www.isis.vanderbilt.edu/projects.nest/download.html</a> , printed on 04/14/04.
	AV	ISIS NEST: Institute For Software Integrated Systems; "People: The NEST Group", pp. 1 of 1, located at <a href="http://www.isis.vanderbilt.edu/projects.nest/people.html">http://www.isis.vanderbilt.edu/projects.nest/people.html</a> , printed on 04/14/04.
OS	AW	JOHNSON, R. COLIN, "Companies test prototype wireless-sensor nets" EE Times, pp. 1-3, printable version of article located at <a href="http://www.eet.com/article/showArticle.jhtml?articleID=9900910">http://www.eet.com/article/showArticle.jhtml?articleID=9900910</a> , bearing a date of 01/29/03, printed on 01/27/04.

Examiner Signature	<i>Surv 11/0</i>	Date Considered	8/13/07
-----------------------	------------------	--------------------	---------

OMB 0651-0031

V:\Patent Legal\A-PATENTS FILED\Data Architecture Apps\0104-003-004-Transmission of Aggregated Mote-Assoc Index Data\PTO-1449 SIDS.doc

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS	Application Number	10/816,102
	Filing Date	March 31, 2004
	First Named Inventor	Edward K. Y. Jung
	Group Art Unit	To be Assigned 2/42
	Examiner Name	To be Assigned <i>survillo</i>
Page 3 of 4	Attorney Docket Number	0104-003-004-000000

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
<i>OS</i>	AX	KAHN, KEVIN C.; CULLER, DAVID E.; "Ad Hoc Sensor Networks A New Frontier for Computing Applications" bearing a date of April 2002, printed on 04/09/04.
	AY	KLING, RALPH, "Intel® Research Mote" pp. 1-13, Powerpoint Presentation, located at <a href="http://webs.cs.berkeley.edu/retreat-1-03/slides/imote-nest-q103-03-dist.pdf">http://webs.cs.berkeley.edu/retreat-1-03/slides/imote-nest-q103-03-dist.pdf</a> , Intel Corporation Research, Santa Clara, CA, printed on 04/13/04.
	AZ	LEVIS, PHILIP; CULLER, DAVID; "Maté: A Tiny Virtual Machine for Sensor Networks", pp. 1-11, printed on 04/12/04
	BA	LEVIS, PHILIP; MADDEN, SAM; GAY, DAVID; POLASTRE, JOSEPH; SZEWCZYK, ROBERT; WOO, ALEC; BREWER, ERIC; CULLER, DAVID; "The Emergence of Networking Abstractions and Techniques in TinyOS" pp. 1-14, printed on 04/13/04.
	BB	LEVIS, PHILIP; PATEL, NEIL; CULLER, DAVID; SHENKER, SCOTT; "Trickle: A Self-Regulating Algorithm for Code Propagation and Maintenance in Wireless Sensor Networks", printed on 04/13/04.
	BC	LEVIS, PHILIP; PATEL, NEIL; "Maté: Building Application-Specific Sensor Network Language Runtimes", bearing a date of 11/11/03, printed on 04/12/04
	BD	"LOCALIZATION Distributed Embedded Systems" UCLA Computer Science 213: Localization Systems Powerpoint Presentation, pp. 1-61, bearing a course name of: CS 213/Estrin/Winter 2003, bearing a speaker name of: Lewis Girod, bearing a date of 02/04/03, printed on 03/15/04.
	BE	"Localization.Millennium.Berkeley.Edu", University of California Berkeley, located at <a href="http://localization.millennium.berkeley.edu/introduction.html">http://localization.millennium.berkeley.edu/introduction.html</a> , pp. 1 of 1, bearing a date of 2001, printed on 04/07/04.
	BF	"Localization Standards", University of California Berkeley, located at <a href="http://localization.millennium.berkeley.edu/localization_standards.html">http://localization.millennium.berkeley.edu/localization_standards.html</a> , pp. 1 of 1, bearing a date of 2001, printed on 04/07/04.
	BG	MARÓTI, MIKLÓS; VÖLGYESI, PÉTER; SIMON, GYULA; KARSAI, GÁBOR; LÉDECZI, AKOS; "Distributed Middleware Services Composition and Synthesis Technology"; pp. 1-8, IEEE, bearing a date of 2002, printed on 04/14/04.
	BH	PESCOVITZ, DAVID, "Robugs: Smart Dust Has Legs" pp. 1-2, located at <a href="http://www.coe.berkeley.edu/labnotes/0903/pister_print.html">http://www.coe.berkeley.edu/labnotes/0903/pister_print.html</a> , bearing a date of September 2003, printed on 04/09/04.
	BI	RAGHUNATHAN, VIJAY; SCHURGERS, CURT; PARK, SUNG; SRIVASTAVA, MANI B.; "Energy Aware Wireless Sensor Networks" pp. 1-17; Department of Electrical Engineering, University of California, Los Angeles; printed on 03/15/04.
<i>OS</i>	BJ	SAVVIDES, ANDREAS; "Hardware", pp. 1-3, located at <a href="http://nesl.ee.ucla.edu/projects/ahlos/hardware.htm">http://nesl.ee.ucla.edu/projects/ahlos/hardware.htm</a> , Networks and Embedded Systems Lab, University of California, Los Angeles; bearing a date of 01/18/03, printed on 02/23/04.

Examiner Signature	<i>Survillo</i>	Date Considered	8/13/07
-----------------------	-----------------	--------------------	---------

OMB 0651-0031

V:\Patent Legal\A-PATENTS FILED\Data Architecture Apps\0104-003-004-Transmission of Aggregated Mote-Assoc  
Index Data\PTO-1449 SIDS.doc

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS		Application Number	10/816,102
		Filing Date	March 31, 2004
		First Named Inventor	Edward K. Y. Jung
		Group Art Unit	To be Assigned 2/42
		Examiner Name	To be Assigned <i>Surv</i> //o
Page 4 of 4		Attorney Docket Number	0104-003-004-000000
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
OS	BK	SAVVIDES, ANDREAS; "Localization Forum", pp.1 of 1, located at <a href="http://nesl.ee.ucla.edu/projects/ahlos/localization_forum.htm">http://nesl.ee.ucla.edu/projects/ahlos/localization_forum.htm</a> , Networks and Embedded Systems Lab, University of California, Los Angeles; bearing a date of 12/24/03, printed on 02/23/04.	
↓	BL	"The Ad-Hoc Localization System (AHL0S)" Networks and Embedded Systems Lab, University of California, Los Angeles; located at <a href="http://nesl.ee.ucla.edu/projects/ahlos/Default.htm">http://nesl.ee.ucla.edu/projects/ahlos/Default.htm</a> , pp. 1-4, printed on 02/23/04.	
↓	BM	"Tiny DB A Declarative Database for Sensor Networks" pp. 1-2, located at <a href="http://telegraph.cs.berkeley.edu/tinydb/">http://telegraph.cs.berkeley.edu/tinydb/</a> printed on 04/09/04.	
OS	BN	TINY SEC: LINK LAYER SECURITY FOR TINY DEVICES, "Calamari: A localization system for sensor networks", pp. 1-6, located at <a href="http://www.cs.berkeley.edu/~kamin/calamari/">http://www.cs.berkeley.edu/~kamin/calamari/</a> printed on 04/12/04.	
	BO		

Examiner Signature	<i>Survillo</i>	Date Considered	8/13/07
-----------------------	-----------------	--------------------	---------

OMB 0651-0031

V:\Patent Legal\A-PATENTS FILED\Data Architecture Apps\0104-003-004-Transmission of Aggregated Mote-Assoc  
Index Data\PTO-1449 SIDS.doc



**SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT BY  
APPLICANTS**

Page 1 of 1

Application Number	10/816,102
Filing Date	March 31, 2004
First Named Inventor	Edward K.Y. Jung
Group Art Unit	2661 2142
Examiner Name	To be Assigned <i>survillo</i>
Attorney Docket Number	0104-003-004-000000

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No.	U.S. Patent Number	Name of Patentee	Date of Publication (MM-DD-YYYY)
	AA			
	AB			
	AC			
	AD			
	AE			
	AF			
	AG			
	AH			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No.	Document Number	Country	Date of Publication (MM-DD-YYYY)	English Translation Provided?
	AI				
	AJ				
	AK				

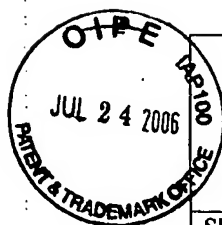
**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page number(s), volume-issue number(s), publisher, city and/or country where published.
<i>OS</i>	AL	ZHAO, FENG; GUIBAS, LEONIDAS J.; <u>Wireless Sensor Networks: An Information Processing Approach</u> . San Francisco: Morgan Kaufmann Publishers-Elsevier Inc., bearing a copyright date of 2004.
	AM	
	AN	
	AO	
	AP	
	AQ	
	AR	
	AS	
	AT	

Examiner Signature	<i>Survillo</i>	Date Considered	8/13/07
--------------------	-----------------	-----------------	---------

OMB 0651-0031

http://isf\_share/Shared Documents/Patents Filed-Active Drafts/Data Architecture-003/0104-003-004-Trans of Agg Mote-Assoc Index Data/PTO-1449 -SIDS 3.doc



Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT BY  
APPLICANTS

(Use as many sheets as necessary)

Application Number	10/816,102
Filing Date	March 31, 2004
First Named Inventor	Edward K.Y. Jung
Group Art Unit	2661 2/42
Examiner Name	To Be Assigned Survillo
Sheet 1 of 1	Attorney Docket Number 0104-003-004-000000

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Number Number-Kind Code <sup>2</sup> (if known)	Issue Date (MM-DD-YYYY)	Name of Patentee
OS	AA	6,778,844 B2	08-17-2004	Hood, III, Charles D.
	AB			
	AC			

## U.S. PATENT APPLICATION DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Application Publication Number Number-Kind Code <sup>2</sup> (if known)	Publication Date (MM-DD-YYYY)	Name of Applicant
OS	AD	2005/0143133 A1	06-30-2005	Bridgelall, Raj
OS	AE	2004/0230638 A1	11-18-2004	Balachandran et al.
OS	AF	2003/0033394 A1	02-13-2003	Stine, John A.

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	T <sup>6</sup>
	AG				
	AH				

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	AI	
	AJ	
	AK	

OMB 0651-0031

Examiner Signature	<i>Survillo</i>	Date Considered	8/13/07
--------------------	-----------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT BY  
APPLICANTS

(Use as many sheets as necessary)

Sheet 1 of 2

Application Number	10/816,102
Filing Date	March 31, 2004
First Named Inventor	Edward K. Y. Jung
Group Art Unit	2661 2/42
Examiner Name	To Be Assigned Sullivan
Attorney Docket Number	0104-003-004-000000

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Number Number-Kind Code <sup>2</sup> (if known)	Issue Date (MM-DD-YYYY)	Name of Patentee
OS	AA	7,103,511 B2	09-05-2006	Petite, Thomas D.
	AB	7,016,812 B2	03-21-2006	Aritsuka et al.
	AC	6,950,778 B2	09-27-2005	Warner et al.
	AD	6,888,453 B2	05-03-2005	Lutz et al.
	AE	6,792,321 B2	09-14-2004	Sepe, Jr., Raymond
	AF	6,618,745 B2	09-09-2003	Christensen et al.
OS	AG	6,088,665	07-11-2000	Burns et al.

## U.S. PATENT APPLICATION DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Application Publication Number Number-Kind Code <sup>2</sup> (if known)	Publication Date (MM-DD-YYYY)	Name of Applicant
OS	AH	2006/0136627 A1	06-22-2006	Maity et al.
	AI	2005/0275532 A1	12-15-2005	Ferri et al.
	AJ	2004/0008140 A1	01-15-2004	Sengupta et al.
	AK	2003/0228857 A1	12-11-2003	Maeki, Akira
	AL	2003/0222818 A1	12-04-2003	Regnier et al.
	AM	2003/0172221 A1	09-11-2003	McNeil, Donald H.
	AN	2002/0123864 A1	09-05-2002	Eryurek et al.
OS	AO	2002/0027504 A1	03-07-2002	Davis et al.

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	T <sup>6</sup>
	AP				

OMB 0651-0031

Examiner Signature	<i>Sullivan</i>	Date Considered	8/13/07
--------------------	-----------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Substitute for form 1449A/PTO  <b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS</b> <i>(Use as many sheets as necessary)</i>		Application Number	10/816,102
		Filing Date	March 31, 2004
		First Named Inventor	Edward K. Y. Jung
		Group Art Unit	266+ 2/42
		Examiner Name	To Be Assigned Survillo
Sheet 2 of 2	Attorney Docket Number	0104-003-004-000000	

NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
OS	AQ	ADLER, ROBERT et al.; "Demo Abstract: Intel Mote 2: An Advanced Platform for Demanding Sensor Network Applications"; Intel Corporation; bearing dates of November 2-4, 2005; p. 298; (plus cover sheet)
↓	AR	DUTTA, PRABAL K. et al.; "System Software Techniques for Low-Power Operation in Wireless Sensor Networks"; Computer Science Division, University of California, Berkeley; bearing a date of 2005; pp. 924 - 931; (plus cover sheet)
	AS	KRAUSE, ANDREAS et al.; "Near-optimal Sensor Placements: Maximizing Information while Minimizing Communication Cost"; bearing dates of April 19-21, 2006; pp. 2 - 10; (plus cover sheets)
	AT	LU, JIE et al.; "User Modeling for Full-Text Federated Search in Peer-to-Peer Networks"; Language Technologies Institute, Carnegie Mellon University; bearing dates of August 6 - 11, 2006; pp. 332 - 339; (plus cover sheet)
	AU	NACHMAN, LAMA et al.; "The Intel® Mote Platform: A Bluetooth*-Based Sensor Network for Industrial Monitoring"; Corporate Technology Group, Intel Corporation; bearing a date of 2005; pp. 1 - 6; (plus cover sheet)
	AV	PCT International Search Report; International App. No.: PCT/US05/11202; 27 September 2006
↓	AW	RAZEED, KAFIL M. et al.; "A Hybrid Network of Autonomous Sensor Nodes"; NMRC, University College Cork; bearing dates of November 8 - 10, 2004; pp. 69 - 70; (plus cover sheet)
	AX	SHARIFZADEH, MEHDI et al.; "Supporting Spatial Aggregation in Sensor Network Databases*"; Computer Science Department, University of Southern California; bearing dates of November 12 - 13, 2004; pp. 166 - 175; (plus cover sheet)

OMB 0651-0031

Examiner Signature		Date Considered	8/13/07
--------------------	---	-----------------	---------

\*EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449A/PTO		Application Number	10/816,102
<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS</b> <i>(Use as many sheets as necessary)</i>		Filing Date	March 31, 2004
		First Named Inventor	Edward K.Y. Jung
		Group Art Unit	2661 2/42
		Examiner Name	To Be Assigned Survillo
Sheet 1 of 2	Attorney Docket Number		0104-003-004-000000

U.S. PATENT DOCUMENTS

Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	U.S. Patent Number Number-Kind Code <sup>2</sup> (if known)	Issue Date (MM-DD-YYYY)	Name of Patentee
OS	AA	7,075,455 B2	07-11-2006	Nishimura et al.
	AB	6,943,747 B2	09-13-2005	Kwon, Do-Hoon
	AC	6,296,205 B1	10-02-2001	Hanson et al.
	AD	5,697,066	12-09-1997	Acampora, Anthony
OS	AE	5,432,519	07-11-1995	Sezai, Toshihiro

U.S. PATENT APPLICATION DOCUMENTS

Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	U.S. Patent Application Publication Number Number-Kind Code <sup>2</sup> (if known)	Publication Date (MM-DD-YYYY)	Name of Applicant
OS	AF	2005/0062653 A1	03-24-2005	Cetiner et al.
	AG	2002/0036595 A1	03-28-2002	Chiang et al.
	AH	10/909,200		Jung et al.
	AI	10/903,692		Jung et al.
	AJ	10/903,652		Jung et al.
	AK	10/900,163		Jung et al.
	AL	10/900,147		Jung et al.
	AM	10/882,119		Jung et al.
	AN	10/877,109		Jung et al.
	AO	10/877,099		Jung et al.
	AP	10/850,914		Jung et al.
	AQ	10/844,614		Jung et al.
	AR	10/844,613		Jung et al.
	AS	10/844,612		Jung et al.
	AT	10/844,564		Jung et al.
OS	AU	10/843,987		Jung et al.

OMB 0651-0031

Examiner Signature	<i>Survillo</i>	Date Considered	8/13/07
--------------------	-----------------	-----------------	---------

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449A/PTO <b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS</b> <i>(Use as many sheets as necessary)</i>		Application Number	10/816,102
		Filing Date	March 31, 2004
		First Named Inventor	Edward K.Y. Jung
		Group Art Unit	2661 2/42
		Examiner Name	To Be Assigned 54rvillo
Sheet 2 of 2	Attorney Docket Number	0104-003-004-000000	

NON PATENT LITERATURE DOCUMENTS		
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
OS	AV	PCT International Search Report; International App. No.: PCT/US05/10054; 01 December 2006

OMB 0651-0031

Examiner Signature		Date Considered	8/13/07
--------------------	---	-----------------	---------

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Substitute for form 1449A/PTO <b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS</b> (Use as many sheets as necessary)	Application Number	10/816,102
	Filing Date	March 31, 2004
	First Named Inventor	Edward K.Y. Jung
	Group Art Unit	2661 2/42
	Examiner Name	To Be Assigned Survillo
Sheet 1 of 1	Attorney Docket Number	0104-003-004-000000

U.S. PATENT DOCUMENTS				
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	U.S. Patent Number Number-Kind Code <sup>2</sup> (if known)	Issue Date (MM-DD-YYYY)	Name of Patentee
OS	AA	7,034,740 B2	04-25-2006	Witten, Alan
OS	AB	5,960,214	09-28-1999	Sharpe, Jr. et al.

U.S. PATENT APPLICATION DOCUMENTS				
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	U.S. Patent Application Publication Number Number-Kind Code <sup>2</sup> (if known)	Publication Date (MM-DD-YYYY)	Name of Applicant
	AC			
	AD			

NON PATENT LITERATURE DOCUMENTS		
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
OS	AE	PCT International Search Report; International App. No.: PCT/US05/11203; 09 February 2007

OMB 0651-0031

Examiner Signature		Date Considered	8/13/07
--------------------	--	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT BY  
APPLICANTS

(Use as many sheets as necessary)

Sheet 1 of 1 Attorney Docket Number 0104-003-004-000000



## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Number Number-Kind Code <sup>2</sup> (if known)	Issue Date (MM-DD-YYYY)	Name of Patentee
	AA			
	AB			

## U.S. PATENT APPLICATION DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Application Publication Number Number-Kind Code <sup>2</sup> (if known)	Publication Date (MM-DD-YYYY)	Name of Applicant
OS	AC	2004/0249563 A1	12-09-2004	Otsuki et al.
	AD			

OMB 0651-0031

Examiner Signature	<i>Survillo</i>	Date Considered	8/13/07
--------------------	-----------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449A/PTO		Application Number	10/816,102
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS (Use as many sheets as necessary)		Filing Date	March 31, 2004
		First Named Inventor	Edward K.Y. Jung
		Group Art Unit	2664 2/42
		Examiner Name	To Be Assigned Survillo
Sheet 1 of 1	Attorney Docket Number	0104-003-004-000000	

NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
OS	AA	LU, JIE; CALLAN, JAMIE; "Content-Based Retrieval In Hybrid Peer-To-Peer Networks"; CIKM'03; bearing dates of November 3-8, 2003; ACM

OMB 0651-0031

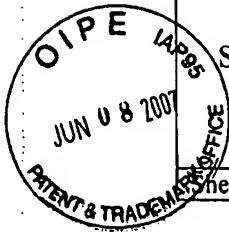
Examiner Signature	<i>Survillo</i>	Date Considered	8/13/07
--------------------	-----------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Substitute for form 1449A/PTO		Application Number	10/816,102
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS (Use as many sheets as necessary)		Filing Date	March 31, 2004
		First Named Inventor	Edward K.Y. Jung
		Group Art Unit	<del>2661</del> 2142
		Examiner Name	To Be Assigned Survillo
Sheet 1 of 1	Attorney Docket Number	0104-003-004-000000	

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
OS	AA	CULLER, DAVID; ESTRIN, DEBORAH; SRIVASTAVA, MANI; "Overview Of Sensor Networks"; Computer; August 2004; pp. 41-49; Vol. 37; No. 8; IEEE Computer Society

OMB 0651-0031

Examiner Signature	<i>Survillo</i>	Date Considered	8/13/07
-----------------------	-----------------	--------------------	---------

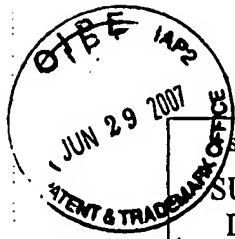
<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.





Substitute for form 1449A/PTO		Application Number	10/816,102
<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS</b> (Use as many sheets as necessary)		Filing Date	March 31, 2004
		First Named Inventor	Edward K.Y. Jung
		Group Art Unit	2661 2142
		Examiner Name	To Be Assigned Survillo
Sheet 1 of 1		Attorney Docket Number	0104-003-004-000000

U.S. PATENT DOCUMENTS				
Examiner Initials <sup>2</sup>	Cite No. <sup>1</sup>	U.S. Patent Number Number-Kind Code <sup>2</sup> (if known)	Issue Date (MM-DD-YYYY)	Name of Patentee
OS	AA	5,581,694	12-03-1996	Iverson et al.
	AB			

U.S. PATENT APPLICATION DOCUMENTS				
Examiner Initials <sup>2</sup>	Cite No. <sup>1</sup>	U.S. Patent Application Publication Number Number-Kind Code <sup>2</sup> (if known)	Publication Date (MM-DD-YYYY)	Name of Applicant
OS	AC	2006/0224434 A1	10-05-2006	Rumi et al.
OS	AD	2006/0212570 A1	09-21-2006	Aritsuka et al.

OMB 0651-0031

Examiner Signature		Date Considered	8/13/07
--------------------	--	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Substitute for form 1449A/PTO		Application Number	10/816,102
<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS</b> (Use as many sheets as necessary)		Filing Date	March 31, 2004
		First Named Inventor	Edward K.Y. Jung
		Group Art Unit	2661 2/42
		Examiner Name	To Be Assigned survillo
Sheet 1 of 1		Attorney Docket Number	0104-003-004-000000

NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
OS	AA	CULLER, DAVID E.; MULDER, HANS; "Smart Sensors To Network The World"; Scientific American; printed on June 26, 2007; pp. 1-10; <a href="http://www.intel.com/research/exploratory/smartnetworks.htm">http://www.intel.com/research/exploratory/smartnetworks.htm</a>
↓	AB	FALL, KEVIN; "A Delay-Tolerant Network Architecture For Challenged Internets"; Intel Research Berkeley; February 26, 2003; pp. 1-14; ACM Press
↓	AC	GOVINDAN, RAMESH; KOHLER, EDDIE; ESTRIN, DEBORAH; BIAN, FANG; CHINTALAPUDI, KRISHNA; GNAWALI, OM; GUMMADI, RAMAKRISHNA; RANGWALA, SUMIT; STATHOPOULOS, THANOS; "Tenet: An Architecture For Tiered Embedded Networks"; pp. 1-8
OS	AD	STATHOPOULOS, THANOS; GIROD, LEWIS; HEIDEMANN, JOHN; ESTRIN, DEBORAH; "More Herding For Tiered Wireless Sensor Networks"; Center For Embedded Networked Sensing; pp. 1-14; UCLA, Department Of Computer Science / USC, Information Sciences Institute

OMB 0651-0031

Examiner Signature		Date Considered	8/13/07
--------------------	---	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT BY  
APPLICANTS

(Use as many sheets as necessary)

Sheet 1 of 1

Application Number	10/816,102
Filing Date	March 31, 2004
First Named Inventor	Edward K. Y. Jung
Group Art Unit	2661 2/42
Examiner Name	To Be Assigned Survillo
Attorney Docket Number	0104-003-004-000000

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
OS	AA	LU, JIE; CALLAN, JAMIE; "Content-Based Retrieval In Hybrid Peer-To-Peer Networks"; Information Retrieval Session 4: General Retrieval Issues; 2003; pp. 199-206; ACM Press
OS	AB	PCT International Search Report; International App. No.: PCT/US05/10843; 29 March 2005

OMB 0651-0031

Examiner Signature	<i>Survillo</i>	Date Considered	8/13/07
--------------------	-----------------	-----------------	---------

\*EXAMINER: Initial if reference considered. Whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

